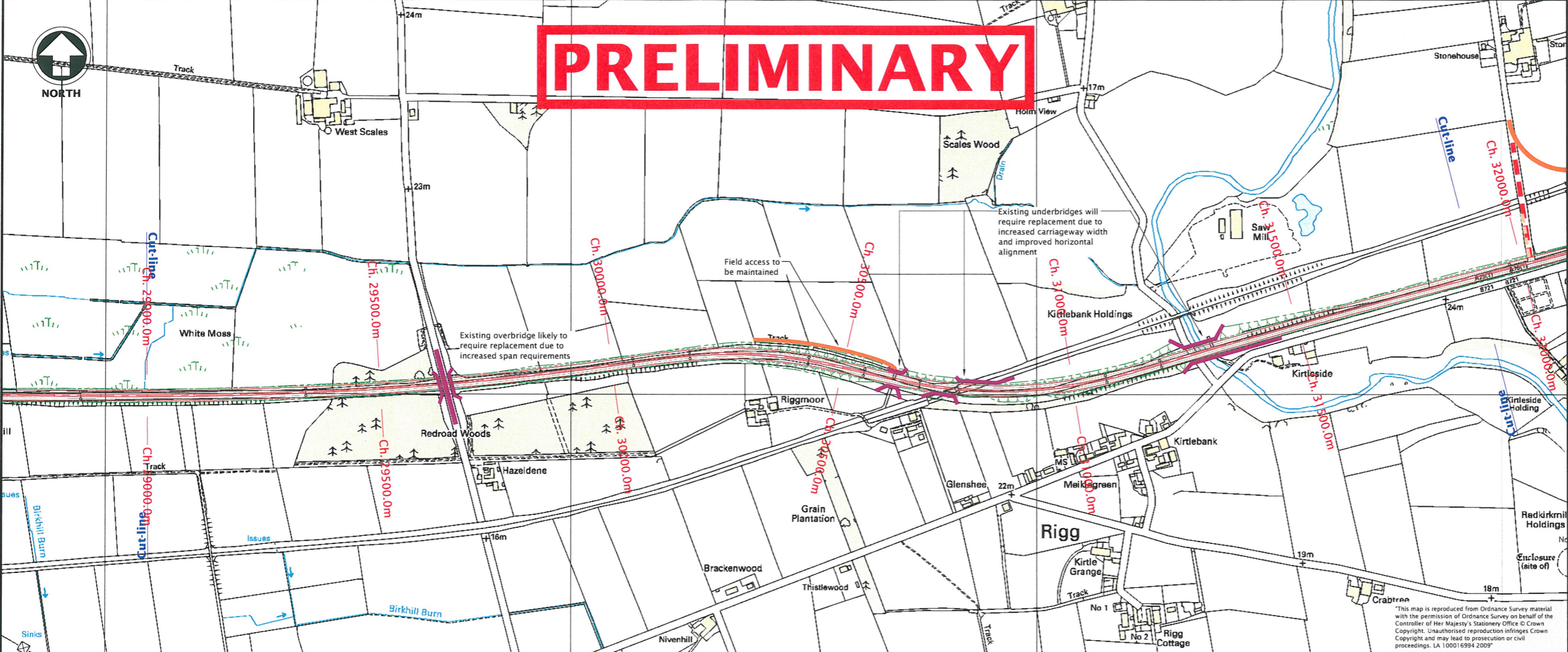


PRELIMINARY



Notes

- Horizontal alignment based on Ordnance Survey MasterMap data supplied by Dumfries and Galloway Council - licence as shown on plan.
- Vertical alignment and earthworks footprint based on NextMap Digital Terrain Model supplied by Dumfries and Galloway Council.

Key to Route Plan

- Proposed Main Line A75 alignment carriageway and earthworks footprint
- Proposed junction location, or existing junction to be retained
- Alternative junction/side road layout for consideration
- Proposed overbridge/underbridge to maintain existing highway or provide accommodation crossing
- Existing highway to be stopped off

Key to Longitudinal Section and Schematics

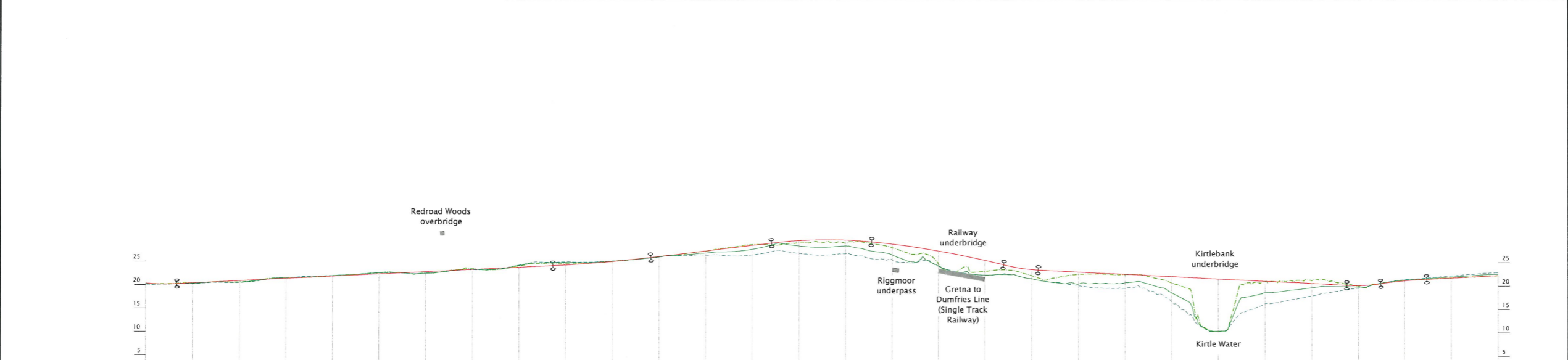
Section profiles

- Proposed vertical alignment profile with tangent points and ordinates at 100m intervals
- Existing ground level profile along proposed alignment centre-line
- Existing ground level profile along proposed Eastbound/North side carriageway centre-line
- Existing ground level profile along proposed Westbound/South side carriageway centre-line

Compliance of alignment geometry elements with DMRB standards (listed in ascending order of severity)

- Desirable Minimum (or Desirable Maximum gradient)
- 1 Step below Desirable Minimum
- 2 Steps below Desirable Minimum

* Design Manual for Roads and Bridges, Volume 6, Section 1, Part 1: TD 9/93 Highway Link Design



Chainage	Existing level (at centre-line)	Proposed level (centre-line)	Level difference
29000	19.810	19.810	0.000
29100	19.810	19.810	0.000
29200	19.810	19.810	0.000
29300	19.810	19.810	0.000
29400	19.810	19.810	0.000
29500	19.810	19.810	0.000
29600	19.810	19.810	0.000
29700	19.810	19.810	0.000
29800	19.810	19.810	0.000
29900	19.810	19.810	0.000
30000	19.810	19.810	0.000
30100	19.810	19.810	0.000
30200	19.810	19.810	0.000
30300	19.810	19.810	0.000
30400	19.810	19.810	0.000
30500	19.810	19.810	0.000
30600	19.810	19.810	0.000
30700	19.810	19.810	0.000
30800	19.810	19.810	0.000
30900	19.810	19.810	0.000
31000	19.810	19.810	0.000

Horizontal geometry	Vertical geometry
Curve R=3000.0m L=482.8m	L=67.7m R=5000.0m Curve
Curve R=210.0m R=30000.0m Curve	L=805.5m 0.500% Gradient
Transition L=122.0m R=10000.0m Curve	L=210.0m R=30000.0m Curve
Transition L=259.0m R=10000.0m Curve	L=259.0m 1.200% Gradient
Transition L=122.0m R=10000.0m Curve	Curve R=10000.0m L=214.3m
Transition L=122.0m R=10000.0m Curve	Curve R=18700.0m L=283.6m
Transition L=122.0m R=10000.0m Curve	Curve R=74.0m R=37000.0m Curve
Transition L=122.0m R=10000.0m Curve	Gradient -0.200% L=661.9m
Transition L=122.0m R=10000.0m Curve	Curve R=73.4m R=37000.0m Curve
Transition L=122.0m R=10000.0m Curve	Curve R=10000.0m L=98.4m
Transition L=122.0m R=10000.0m Curve	L=322.6m 0.500% Gradient

PI	Date	Drawn	Description	Ch'k'd	App'd
26/03/09			Preliminary Issue		

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Title
 Dumfries to A74(M) Link STAG2
 A75 On-line Dualling Option

**Alignment Route Plan and Longitudinal Section
 Chainage 29000m to 31900m (Sheet 11 of 12)**

Designed	Drawn	Dwg.Chk.	Scale at A1	Project	Status
C Broughton	C Broughton	C Sri-Pathmanathan	1:5000 Hor./1:500 Ver.	254583	PRE
Eng.Chk.	Coordination	Approved			
S Rotherham		M A Staniland			

Drawing No: 254583 / SHF / 1511
 Rev: P1